

CLAIMS

I claim:

1. A de-moisturizing device for removing and separating moisture from interior passage of a woodwind musical instrument, the device comprising:
 - a piece of moisture absorbent fabric;
 - a pocket and a hanging loop sewed to one side of the fabric; and
 - a guiding means for guiding the fabric forward and backward through the interior passage of the musical instrument for removing moisture.
2. The device as recited in claim 1, wherein the guiding means comprises a stick including a fabric holding means in one end.
3. The device as recited in claim 2, wherein the fabric holding means is chosen from the group consisting of a closed loop, a hole and a slot.
4. The device as recited in claim 1, wherein the guiding means comprises a string with one end fixedly attached to side of the fabric opposite to the pocket.
5. The device as recited in claim 4, wherein the guiding means further comprises a heavy object fixedly connected to the string in the other end.
6. The device as recited in claim 1, wherein the fabric is of such size and shape to provide enough contact with the interior passage of each section of the musical instrument.
7. The device as recited in claim 1, wherein the guiding means is of such length to ensure enough contact with the interior passage of each section of the musical instrument.
8. A de-moisturizing device for removing and separating moisture from interior passage of a woodwind musical instrument, the device comprising:
 - an elongated member;
 - a plurality of moisture absorbent filaments attached along a substantial portion of the elongated member;

a closed loop fixedly attached to one end of the elongated member; and
a separate piece of moisture absorbent fabric threaded through the closed loop for removing the moisture.

9. The device as recited in claim 8, further comprising:

an end cap handle fixedly attached to the other end of the elongated member.

10. The device as recited in claim 8, wherein the elongated member is of such length to cover a substantial portion of each section of the musical instrument.

11. The device as recited in claim 8, wherein the plurality of filaments has different length along the elongated member.

12. The device as recited in claim 8, wherein the elongated member is made of a pair of twisted wires.

13. A de-moisturizing device for removing and separating moisture from interior passage of a woodwind musical instrument, the device comprising:

an elongated hollow porous tube having a first end, a second end and a plurality of holes on the tube's surface;

a detachable end cap coupled to the first end of the tube;

an end cap fixedly attached to the second end of the tube; and

a plurality of desiccant gels inserted into hollow center of the tube for removing the moisture from the interior passage of the instrument; whereby the moist air flow is passed between the interior passage of the instrument and the plurality of desiccant gels via the plurality of holes on the tube.

14. The device as recited in claim 13, wherein the tube is made of translucent plastic material.

15. The device as recited in claim 13, wherein the desiccant gel is in form of DRICAP® cartridge with moisture absorption capability indicating silica gel.

16. The device as recited in claim 13, wherein the desiccant gel is reusable and replaceable.

17. The device as recited in claim 13, wherein the holes is of such size that the desiccant gels do not leak through and the moist air can flow through.